

Level of Instruction: Senior High

Curriculum Overview

Mathematics 3201 is the final course in the Academic Program for High School Mathematics in Newfoundland Labrador. This program is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that do not require the study of calculus. The Academic Program aims to prepare students to make connections between mathematics and its applications and to become numerate adults, using mathematics to contribute to society.

Prerequisite: Mathematics 2201 (Mathematics 2200)

Authorized Learning Resources

- [Curriculum Guide for Mathematics 3201](http://www.ed.gov.nl.ca/edu/k12/curriculum/guides/mathematics/math3201/Mathematics_3201_Curriculum_Guide.pdf)
http://www.ed.gov.nl.ca/edu/k12/curriculum/guides/mathematics/math3201/Mathematics_3201_Curriculum_Guide.pdf
- *Principles of Mathematics 12* (Nelson)

Course Sequence

Unit	Topic	Chapters in text	Hours of Instruction (including evaluation)	Evaluation Weighting
1	Set Theory	1	10	9%
2	Counting Methods	2	13	12%
3	Probability	3	14	13%
4	Rational Expressions and Equations	4	14	13%
5	Polynomial Functions	5	10	9%
6	Exponential Functions	6	13	12%
7	Logarithmic Functions	7	12	11%
9	Financial Mathematics: Borrowing Money	10	11	10%
8	Sinusoidal Functions	8	12	11%

Recommended Assessment and Evaluation: (Central Region)

In the Central region, the evaluation of this course is governed by the Student Assessment, Evaluation, and Reporting Policy of the NLESD – Central Region. (http://www.ncsd.ca/docs/policy-new/800.9_policy.pdf)

Note:

1. Course evaluation shall reflect the percent unit allocations.
2. Midyear examinations shall be constructed based on a 2 hour timeframe.
3. All evidence of learning shall be considered when determining a student's final grade. Averaging shall not be used as a sole indicator of a student's level of attainment of the course outcomes.

Tests/Quizzes	25%
Mid-year Exam	10%
Other Forms of Assessment (Assignments, portfolio, journal, presentation, projects)	15%
Final Exam (<i>administered by the Dept. of Education</i>)	50%